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Annual Report of the NAL Regional Document Delivery System for Fiscal Year 1992

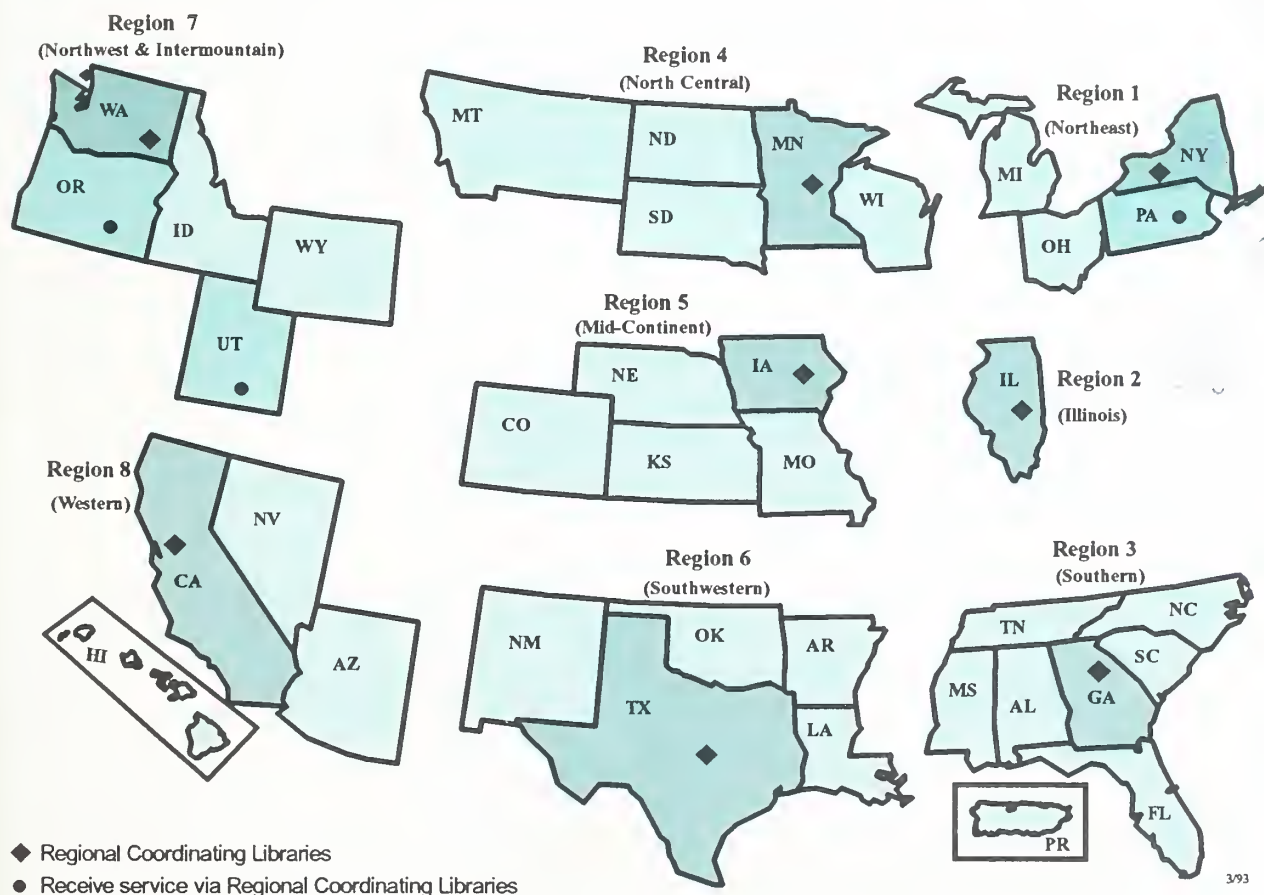
by Tanner Wray, Coordinator
Regional Document Delivery System
Document Delivery Services Branch
National Agricultural Library

Introduction

Since July 1973 the National Agricultural Library's Regional Document

Delivery System (RDDS) has provided
USDA scientists with research related
documents. The RDDS began as a net-
work of 10 states in mid-1973 and has

NAL Regional Document Delivery System (R.D.D.S.)



The eight regions of NAL's Regional Document Delivery System showing the states participating in each region and the level of participation for each.

developed into a national network of 37 land-grant university libraries serving USDA scientists in 36 states and Puerto Rico (See the map on the first page). Eight libraries serve as regional coordinators for the 29 other libraries. NAL maintains cooperative agreements with these eight regional coordinators, which establish agreements with cooperating libraries in their Regions. Through these agreements, USDA employees and USDA libraries receive document delivery service directly from local RDDS libraries.

Background

The idea of providing documents to remote USDA researchers from land-grant university libraries was originally tested in the TRI-X project (July 1, 1972-June 30, 1973). In this project Louisiana State University (LSU) library staff coordinated a document delivery program serving approximately 2,000 USDA employees in the tri-state region of Louisiana, Mississippi, and eastern and southern Texas. NAL frequently works with land-grant universities established in 1862 (referred to as LGUs) and Historically Black Colleges and Universities established in 1890 (referred to as HBCUs) on cooperative projects.

In the TRI-X project one HBCU library and one LGU library participated in each of the three states, as did two USDA libraries located in New Orleans. Researchers submitted requests to the nearest in-state HBCU or LGU. HBCUs referred unfilled requests to the in-state LGU. The LGU referred unfilled requests to LSU. If not available locally, LSU borrowed materials from another library or referred the requests to NAL.

The TRI-X project provided cost and effectiveness data to justify the development of a regional document delivery network, to work with document delivery services received directly from NAL and USDA field libraries. The pilot project proved that a majority of documents requested by USDA employees in the test locations could be delivered faster, cheaper, and with greater user satisfaction than the routing mechanism existing at that time.

RDDS Participants

Region 1 (Northeast)

*Cornell University (also serves Pennsylvania)
Michigan State University
Ohio State University
Ohio Agricultural Research and Development Center

Region 2 (Illinois)

*University of Illinois

Region 3 (Southern)

*University of Georgia
Auburn University
University of Florida
Mississippi State University
North Carolina State University
University of Puerto Rico
Clemson University
University of Tennessee

Region 4 (North Central)

*University of Minnesota
Montana State University
University of Montana
North Dakota State University
South Dakota State University
University of Wisconsin

Region 5 (Mid-Continent)

*Iowa State University
Colorado State University
Kansas State University
University of Missouri-Columbia
University of Nebraska

Region 6 (Southwestern)

*Texas A&M University
University of Arkansas
Louisiana State University
New Mexico State University
Oklahoma State University

Region 7 (Northwest-Intermountain)

*Washington State University (also serves Oregon, Utah)
University of Idaho
University of Wyoming

Region 8 (Western)

*University of California, Davis
University of Arizona
University of California, Riverside
University of Hawaii
University of Nevada

*Coordinator

The RDDS was established soon after the close of the project.

Document Request Routing

The RDDS network accepts and refers requests much as in the TRI-X project. USDA scientists at remote sites submit document requests directly to the RDDS library serving their state. The RDDS library provides requested documents to the scientist. If the materials are not available, the RDDS library refers the request to the regional coordinator. If the regional coordinator is unable to provide the documents, the requests are referred to NAL. NAL sends documents from its collection directly to the scientist, or obtains the materials from other sources in the U.S. and around the world.

USDA libraries also submit requests for scientists at their installations and submit them to RDDS libraries. The referral process for these

requests is the same as for those submitted directly by a scientist. The number of participating libraries has remained constant over the last several years thereby generating user familiarity with the network and stabilizing routing patterns.

RDDS Participants

Region 7 (Northwest-Intermountain) had two significant changes in participants during the past few years. The University of Wyoming joined as the newest member of the network. Wyoming began processing RDDS requests during Fall 1989, and officially joined Region 7 during Fall 1990. Wyoming's addition to RDDS not only added a new library, but added a new state to the network. On January 2, 1992, the University of Utah withdrew from RDDS. As the Regional Coordinator, Washington State University absorbed Utah's work and now directly serves USDA scientists working in

Utah. The net result of the two changes in Region 7 is that RDDS now serves another state, but the number of participating libraries remains 37. [For a list of the participating libraries by region, see the box 1 on page 2.]

Budget

Each summer regional coordinators confront the challenge of determining the level of funding required to operate the region for the next year. Cooperating libraries within each region estimate anticipated costs for the regional coordinators, who incorporate this information into their budget requests to NAL. Funding is based on in-state user fees for document delivery (set by the land-grant university and usually

RDDS libraries are requesting an increase in their fees.

During the last few years, regional coordinators have requested ever increasing levels of RDDS funding. Meanwhile, the NAL RDDS funding has not kept pace. For fiscal year 1992, regional coordinators requested \$390,363, which was 10.5% more than NAL had to allocate. This FY92 figure was 8% higher than FY91, and 17% higher than FY90. While RDDS funding requests increased by over 8% per year in the 1990s, the NAL budget did not, and RDDS funds increased more slowly than did need. NAL funding of RDDS grew by only 4% between FY90 and FY92. [See the table in the box below.]

Actions in Response to Funding Shortfall

In FY92, the difference between need and funding reached a breaking point. In addition, a cut in RDDS funding was proposed. Because of the projected 10.5% shortfall in FY92 and anticipated future shortfalls, NAL reduced the number of document requests processed by RDDS beginning in December 1991.

In early December 1991, Joseph Howard, NAL Director, sent a letter to all USDA employees requesting that they reduce their use of NAL document delivery services, both through RDDS and direct to NAL. Mr. Howard outlined other sources for documents and requested that scientists photocopy materials at their libraries and share documents when possible. Mr. Howard urged USDA scientists to be judicious in document requests. Limits on the volume of requests processed at RDDS libraries were set and NAL processed requests which exceeded those limits.

These actions reduced RDDS costs, keeping network expenses within available funds. The details of the impact are described in the "Statistical Summary" and "Discussion" later in this article.

reflecting state-mandated salary and benefit levels), postage and telecommunication costs, and applicable referral fees. Regional coordinators receive additional funding to cover the costs of coordinating the region, and overseeing financial and statistical reports. As a cooperative venture, NAL partially supports the work handled by network participants. As their contribution RDDS libraries absorb overhead costs.

The budget is dependent on the number of requests processed, the rate charged to process requests, and administrative charges to coordinate the regions. From year to year the volume of requests submitted in a region can change dramatically. Many events result in changes in request volume. These include project initiation and termination, changes in research emphasis, program transfer, and staff attrition. Many states did not request an increase in their fees for several years, absorbing administrative costs and other increases. Because of local and state budgetary pressures, many

RDDS Budget

	FY90	FY91	FY92
Budget Request	\$333,327	\$361,060	\$390,362
Change in Budget Request		+ 8.3%	+ 8.1%
Funds Received	\$341,257	\$344,062	\$354,019
Funding Shortfall	none	-4.7%	-9.3%



photo: J. Swab

Tanner Wray (left) welcomes RDDS Coordinators to NAL (from left to right): John Harer, Ted Sibia, Eileen Brady, Richard Rohrer, Howard Raskin, Maria Porta, Steven Brown, Wayne Pedersen.

Planning Meetings

In response to the budget shortfalls, NAL's Document Delivery Services Branch held two RDDS planning meetings in 1992. RDDS participants, USDA librarians, and NAL staff came together for an RDDS update at the American Library Association annual meeting on June 28, 1992. This meeting opened up discussion and led to the first RDDS Coordinators Planning Meeting.

Coordinators from the eight RDDS regions assembled at NAL on September 17-18, 1992. The underlying theme of the meeting was the impact of budgetary pressures on services and how policies and service levels could be adjusted to meet new budget constraints. Discussions centered on refining and adjusting document delivery service to remote USDA sites, improving communication among RDDS participants, formalizing system-wide policies and procedures, and creating an action plan to revitalize the network. The two RDDS meetings are described in greater detail in a companion article later in this issue of *ALIN*.

Two major results from the meetings are the development of an *RDDS Procedures Manual and Guidelines* that will formalize policies and procedures across the network. These documents are to be completed during 1993. In January, NAL and Cornell University established an RDDS Internet listserv to promote communication. The listserv is discussed in a second companion article later in this issue of *ALIN*. Other action items are in progress: planning for the second annual RDDS Coordinators Planning Meeting and biennial regional meetings/updates, and increasing communication between the NAL director and library directors at participating institutions.

Remote Users and Site Visits

Tanner Wray was appointed as the RDDS Coordinator in June 1991. As a part of his orientation, Wray participated in trips to remote ARS laboratories and RDDS libraries. This served to establish a working relation-

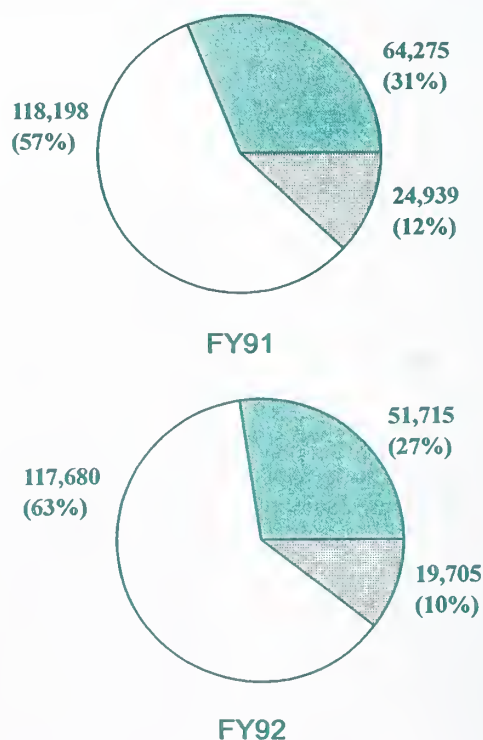
ship with Peggy Beavers, the ARS/NAL Coordinator, to support her work in outreach and program development, and to gather information to report in the *Assessment of Information Services to USDA ARS Scientists* jointly conducted by the University of California at Davis and NAL.

During FY91 and FY92 NAL staff conducted site visits to 22 ARS laboratories and three ARS field libraries in support of the *Assessment*. Wray also visited one Forest Service field library. Meetings at laboratories were held to inform USDA scientists about how to use NAL services, and to solicit feedback about the effectiveness of RDDS and other NAL services. Scientists have varying expectations of NAL services, different levels of experience in accessing information, and uneven knowledge of information services available to them. Some labs have centralized library collections ranging

from a small unstaffed reading room, to formalized collections with staff, a card or computerized catalog, and CD-ROM products. Outreach and periodic explanation of NAL services, especially RDDS, Current Awareness Literature Service (CALS), and reference services are critical. The *Assessment* will provide recommendations to NAL and ARS regarding useful information services for remote ARS scientists.

NAL staff also conducted site visits to three RDDS Regional Coordinators (University of California at Davis, Texas A & M University, and Washington State University) and five cooperating libraries (University of Idaho, Louisiana State University, Mississippi State University, Montana State University, and Oklahoma State University). Discussions centered on service levels, costs, volume of requests, procedural and policy concerns, issues raised

Figure 1. Document Delivery Activity



■ Filled by RDDS □ Filled at NAL ■ Borrowed by NAL

by USDA scientists served by RDDS, and developments at NAL and the RDDS libraries.

Statistical Summary

To accomplish its mission to provide documents to USDA scientists and the world, NAL funds three major activities: document delivery from the NAL collection, RDDS, and interlibrary borrowing of documents. (See Figure 1 on page 4.) During FY92 NAL provided 117,680 documents from the collection to libraries and USDA scientists. This represents 63% of all filled requests. NAL paid RDDS libraries to provide 49,485 photocopies and 2,230 loans from their collections to USDA scientists, for a total of 27% of all filled requests. Additionally, NAL borrowed 19,705 documents from other collections around the world for USDA scientists (10% of filled requests).

When comparing FY92 to previous years, the statistics show a drop in requests and a wide variation in fill rates. (See the table in the box below and Figure 2 on page 3.)

Requests Processed in FY

	FY91	FY92	Change
RDDS	78,711	65,433	-16.9%
NAL	177,705	171,757	-3.3%
RDDS&NAL*	244,928	227,029	-7.3%
USDA only	175,657	154,954	-11.8%

* RDDS and NAL totals both include those requests unfilled by RDDS and then referred to NAL.

The greatest drop in processed requests was observed after the December 1991 document delivery reduction actions. (See the table in the box below and Figure 3 on page 6.)

Requests Processed, Jan.-Sep.

	Jan-Sep 1991	Jan-Sep 1992	Change
RDDS	62,007	46,108	-25.6%
NAL	138,736	129,035	-7.0%
RDDS&NAL*	191,641	167,825	-12.4%
USDA only	138,678	111,700	-19.5%

* RDDS and NAL totals both include those requests unfilled by RDDS and then referred to NAL.

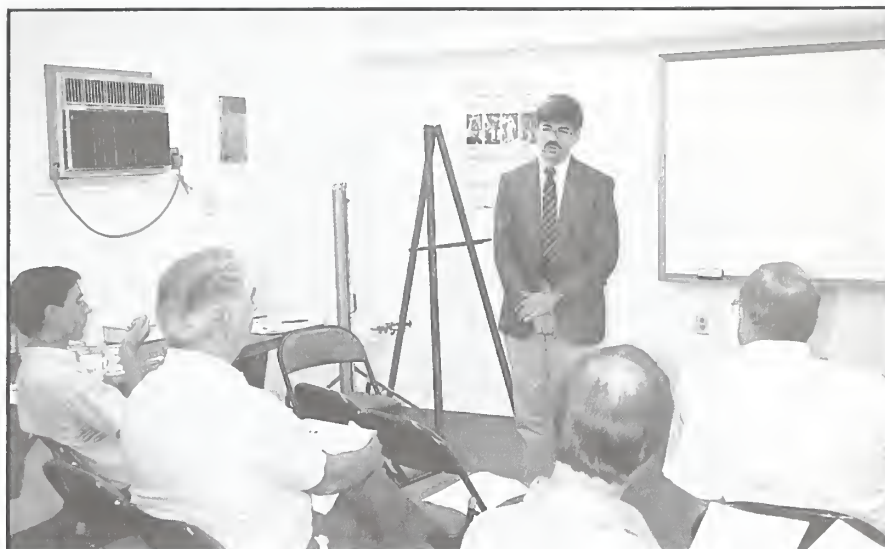


photo: D. Starr

During one of the site visits to land-grant and USDA libraries in Mississippi, Louisiana, and Arkansas, Tanner Wray makes a presentation at the ARS Bee Lab, Baton Rouge, Louisiana.

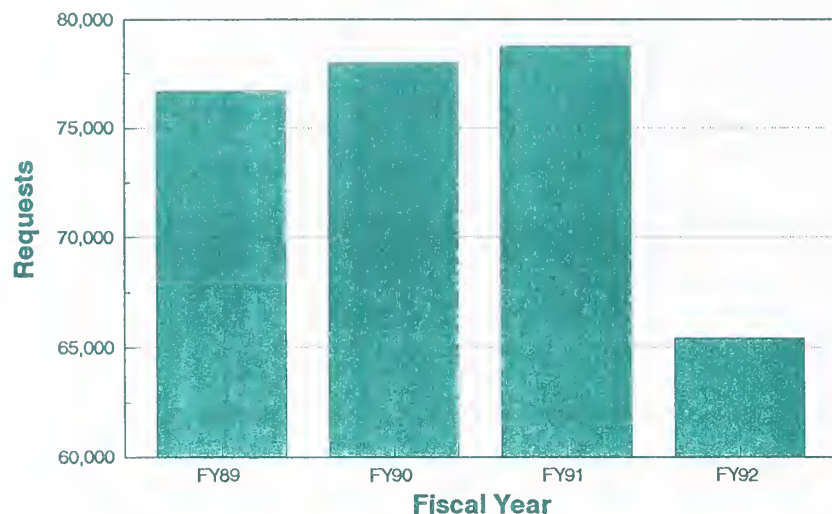
Discussion

RDDS statistics for FY92 differ from earlier years. The result of having 3 months of routine network operation followed by 9 months of drastic service adjustments is evident in the figures and tables. The number of requests processed during October and November 1991 greatly exceeded the number processed in the same period for the two previous years.

The number of USDA requests processed by RDDS and NAL was reduced greatly (12% during FY92, 20% during January-September), because of the memorandum sent to USDA scientists. Beginning in December 1991, when the memo was issued and RDDS processing caps were established, the number of requests handled by RDDS was greatly reduced (See Figure 3 on page 6). From December 1991 through August 1992 the network processed fewer requests each month than the same month during the two previous years. This drop was a result of the reduction in USDA requests and also RDDS processing caps. In addition, requests processed at NAL dropped by over 3%, instead of an anticipated 4 to 7% rise (based on previous year increases). This NAL drop occurred even with greater referral of requests from RDDS to NAL. These anticipated drops ran counter to the trend of increasing numbers of processed requests from FY89 to FY91. NAL is grateful for the large effort made by USDA scientists and RDDS staff to reduce demands on RDDS and NAL document delivery services. This effort assured that RDDS and NAL Document Delivery Services Branch (DDSB) stayed within FY92 budget limits.

The cost per filled RDDS request rose substantially

Figure 2. RDDS Requests Processed Per Year



in 1992, and will continue to rise. While unit costs rise, the need for documents by USDA scientists will also increase. As more USDA scientists use alternate sources for documents, it is possible that fill rates will decline in the future as more selective requests are submitted to RDDS. Many USDA scientists are already photocopying and borrowing easily located materials at RDDS libraries and in their labs. Increases in these activities could lower the fill rate since only materials difficult to locate will be requested through the RDDS system. Reductions in fill rates would raise the unit cost to fill a request, as NAL pays for work done on both filled and unfilled requests.

Future and Summary

The RDDS network continues to give USDA staff expedient document delivery service from local sources and direct access to materials in many collections. In addition, the RDDS uses local resources, rather than having all USDA

requests filled from the NAL collection, and is a source of revenue for RDDS libraries.

The very successful 1992 RDDS planning meetings built a sense of network responsibility and increased communication among participants. The participants left energized and enthusiastic about the work that was completed and the work ahead that will improve the RDDS network. To continue building on network strengths and to improve services, the coordinators will hold a second RDDS Coordinators Planning Meeting on May 6-7, 1993, at Cornell University. The result of these meetings will be formal guidelines and a procedures manual to assure the continued success of the RDDS program. A primary objective of the meeting will be to plan for maintenance of RDDS service levels, while keeping costs within budget limits.

NAL hopes that the drastic program reductions of FY92 will not be necessary in the future. If USDA scientists continue to be prudent in making requests for documents and use cost-saving measures to obtain documents, the document delivery program will benefit.

Additional Statistics

Volume

A wide variation existed in FY92 regional fill rates and volumes of work processed. (See the table in the box at the top of page 7 and Figure 4.)

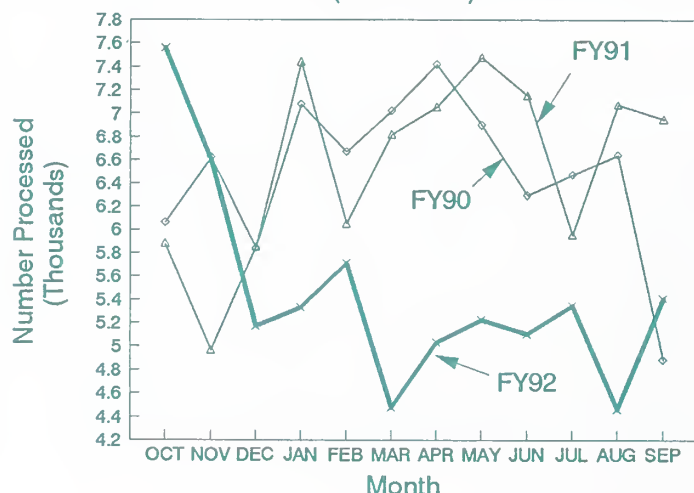
The largest percentage decrease in the number of requests processed by a region was 32.4% (a decrease of 3,201 requests in Region 7).

The largest absolute decrease in the number of requests processed by a region was 5,591 (a 30.4% decrease in Region 3).

Costs

The average FY92 network cost to NAL was \$6.85 per filled RDDS request, a 28.5% increase in unit cost

Figure 3. Number of RDDS Requests Processed Per Month (FY90-FY92)



Requests per Region

RDDS Region	Requests Processed	Requests Filled	Fill Rate
Region 1 (Northeast)	4,304	3,592	83%
Region 2 (Illinois)	2,006	1,360	68%
Region 3 (Southern)	12,748	9,957	78%
Region 4 (North Central)	16,722	14,183	85%
Region 5 (Mid-Continent)	4,542	3,494	77%
Region 6 (Southwestern)	11,393	8,120	71%
Region 7 (Northwest-Intermountain)	6,650	4,798	72%
Region 8 (Western)	7,068	6,211	88%
TOTAL	65,433	51,715	79%

processed a steadily increasing proportion of RDDS work.

Regions 2 and 5 have not seen large changes in their workloads, as a portion of total RDDS requests.

Region 3 processed a significantly smaller percentage of RDDS work in FY92 than in previous years.

Region 4 processed an increasing portion of RDDS work over the last 4 years.

Region 6 has seen a large range of

over a three year period. Much of this increase occurred between FY91 and FY92.

Average costs to NAL for filled RDDS requests ranged from \$9.95 in Region 7 to \$4.95 in Region 5 (See Figure 4 below.) There is no correlation between unit cost and volume of requests processed.

Regional Fluctuations

Over time there have been changes in what proportion of the RDDS work each region completes. (See Figure 5 on page 8.)

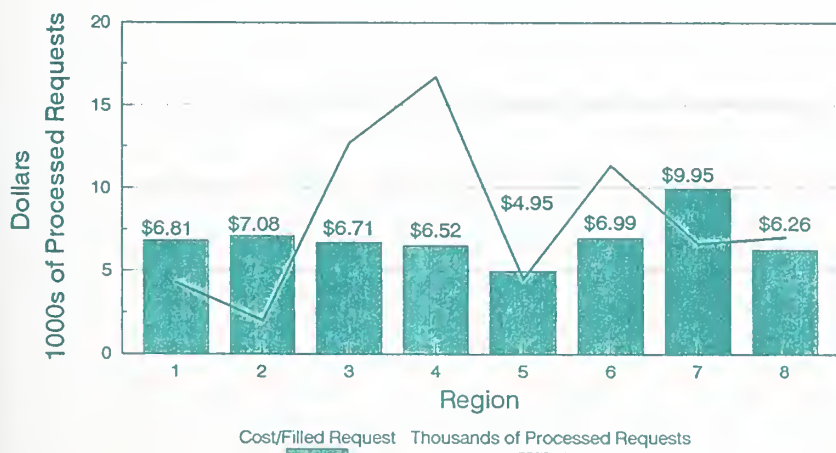
Although it handles a small portion of RDDS requests, Region 1 has



photo: D. Starr

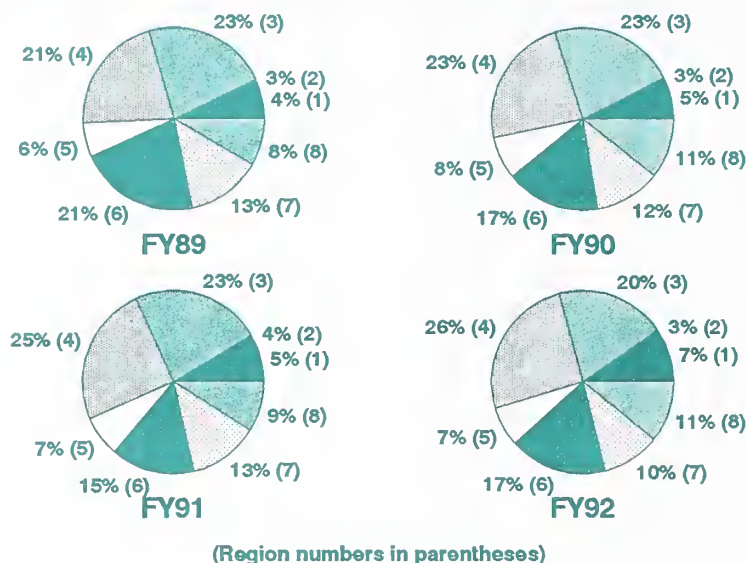
Figure 4. Cost Per Filled RDDS Request By Region

(FY Cost: \$354,019.42 Average: 6.85/Request)



Among the site visits for RDDS and for NAL's services to ARS scientists at research centers and laboratories was a visit to the ARS National Sedimentation Lab at Oxford, Mississippi. Participating in this group of staff from the lab were Tanner Wray, NAL's RDDS coordinator (3rd from left in the first row), and Peggy Beavers, ARS/NAL Coordinator (2nd from left in the first row).

Figure 5. Number of RDDS Requests Processed By Region



variation in its proportion of RDDS work processed.

Region 7 has been processing a shrinking portion of RDDS work over the last 4 years.

Region 8 has processed a portion of RDDS work that varied up or down by 2% every year.

Regional Document Delivery Librarians Hold Planning Meetings

by Tanner Wray
Coordinator, Regional Document Delivery System
Document Delivery Services Branch

The USDA Regional Document Delivery System (RDDS) provides documents to USDA employees in 37 states. To fund and provide this service, the National Agricultural Library maintains cooperative agreements with eight land-grant university libraries. RDDS staff at these libraries coordinate the work done at their institutions and the work done at cooperating land-grant university libraries within their regions. NAL's RDDS Coordinator oversees work conducted throughout the network.

Two RDDS planning meetings were held during 1992. The primary purposes of the planning meetings were to:

- identify ways to improve document delivery service to remote USDA scientists;
- improve communication among network participants;
- share ideas for formalizing systemwide policies and procedures; and
- create a plan to carry out improvements to the network.

Several regional coordinators and the RDDS Coordinator were relatively new to their RDDS roles. As a result, there were two important secondary objectives:

- to introduce the RDDS Coordinator and regional coordinators to one another; and
- to bring network participants up to speed on a variety of topics and issues.

RDDS Update

The first planning meeting was the RDDS Update. Twenty-three librarians attended this update at the American Library Association annual conference in San Francisco on June 28, 1992. NAL staff, RDDS coordinators and cooperators, and USDA librarians came together for an update of NAL and RDDS activities and to plan improvements to the network. The meeting provided a brief but valuable exchange of information among librarians who use and run the network.

Meeting topics included an update on the NAL budget and issues related to the smooth running of RDDS (including preparation and delivery of invoices and network usage statistics, and maintaining current information about participants). A report on outreach visits by NAL and UC Davis staff to remote ARS laboratories and RDDS libraries provided insights into the concerns of RDDS users. Most importantly, the meeting provided a forum to discuss proposed new policies for the network and set the stage for the September Coordinators Planning Meeting.

RDDS Coordinators Planning Meeting

The first annual RDDS Coordinators Planning Meeting, held September 17-18 at NAL, provided an opportunity to:

- orient coordinators to NAL services and projects,
- discuss the history and philosophy of RDDS,
- establish guiding principles for the network, and
- develop an action plan for 1992-3.

The meeting was attended by:

Eileen Brady, Head, Interlibrary Loan, Owen Science and Engineering Library, Washington State University;

Steven Brown, Document Delivery Librarian, Science Library, University of Georgia;

Carol Ditzler, Head, Document Delivery Services Branch, NAL;

John Harer, Head, Circulation Division, Sterling C. Evans Library, Texas A&M University;

Jan Olsen, Director, Mann Library, Cornell University;

Wayne Pedersen, Head, Resource Sharing, Iowa State University;

Maria Porta, Acting Agriculture Librarian, University of Illinois;

Howard Raskin, Document Access Librarian, Mann Library, Cornell University;

Richard Rohrer, Director, St. Paul Campus Libraries, University of Minnesota;

Ted Sibia, Head, Bio/Ag Department, Shields Library, University of California, Davis; and

Tanner Wray, RDDS Coordinator, Document Delivery Services Branch, NAL.

(See photo on page 3 of this issue of *ALIN*.)

Many attendees were visiting NAL for the first time. To familiarize participants with NAL, staff provided a tour of the Library and descriptions of services, followed by a more detailed review of the Document Delivery Services Branch (DDSB).

Attendees and NAL staff described several document delivery projects being conducted at NAL and other libraries. Ted Sibia shared results of the Remote User Evaluation Study, a joint study conducted by NAL and UC Davis. Linda Esterling (Librarian, DDSB, NAL) demonstrated the North Carolina State University Digitized Document Transmission Project



photo: D. Starr

Tanner Wray and Peggy Beavers met with Dr. J. N. Rutger (center), Associate Area Director, ARS, during the site visit to the Jamie Whitten Delta States Research Center, Stoneville, MS.

(DDTP). Jan Olsen described the Mann Library Core Literature Project.

After these informative overviews, the coordinators got down to the business of the meeting—planning for network improvements. Major topics

covered at this meeting included improvement of communication among RDDS participants and interested parties, the need for formalized guidelines, policies, and procedures, and revitalization of the program. Attendees developed an action plan for 1992-



photo: D. Starr

Peggy Beavers and Tanner Wray (at right) meet with the Library Committee and concerned staff at the U.S. Small Fruits Research Laboratory in Poplarville, Mississippi.



photo: D. Starr

During the site visit at the Jamie Whitten Delta States Research Center, Peggy Beavers and Dr. Rutger had a discussion filmed for local TV news in the Stoneville area of Mississippi.

1993 and identified areas for immediate attention.

Action Plan

As a result of the two planning meetings, RDDS coordinators initiated the following major elements of the 1992-3 action plan:

- *RDDS Guidelines* and a *RDDS Procedures Manual* are under development to formalize policies and procedures across the system. Tanner Wray is developing guidelines and updated RDDS fact sheets to distribute during Spring 1993. Steven Brown, Wayne Pedersen, and Eileen Brady are developing the procedures manual to be completed during 1993.

- *RDDS-L*, an Internet listserv, was established. Using the listserv, coordinators, cooperators and NAL DDSB staff can communicate openly and quickly, very much like an ongoing electronic conference call. Howard Raskin established and manages the listserv.

- RDDS usage statistics will be

standardized during 1993. Tanner Wray and Karen Newsome (Coordinator, Illinois Research and Reference Center, University of Illinois) will determine which statistics are most useful for planning purposes and develop a common statistical spreadsheet for use by regional libraries. Since the September meeting, all regional libraries have obtained compatible software (Lotus 1-2-3 and Quattro) to manage statistics.

- Annual RDDS Coordinators Planning Meetings will be held to evaluate policies and procedures and keep communication channels open. The location will rotate among the coordinating libraries.

- Regional meetings/updates with cooperating library staff will be held to keep cooperators up-to-date and invigorated. The RDDS Coordinator and regional coordinator will hold an update in each region once every 2 years at the regional coordinating library.

- The RDDS Coordinator will produce and distribute a calen-

dar of important RDDS dates to clarify expectations and assist in planning for annual cycles.

- The RDDS Coordinator will prepare a RDDS Annual Report for distribution and publication in *ALIN*. Network participants and NAL staff use this newsletter as a communication device.

- The NAL Director and RDDS Coordinator will communicate more frequently with library directors at participating institutions. This activity will increase the visibility of the RDDS program and promote its value to local scientists and agricultural enterprises.

The 1992 RDDS planning meetings were very successful in building a sense of network responsibility and increasing communication among attendees. They left the RDDS Coordinators Planning Meeting with a general sense of satisfaction, productivity, and an increased understanding of the program. More importantly, the attendees left energized and enthusiastic about the work that had been done and the work ahead.

The next RDDS Coordinators Planning Meeting will be held at Cornell University on May 6-7, 1993. As outlined above, participants will have completed several major initiatives in formalizing network policies and procedures. This second Coordinators Planning Meeting should be equally productive. Any comments regarding the RDDS program may be forwarded to:

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National Agricultural Library
Room 300
10301 Baltimore Boulevard
Beltsville, MD 20705-2351

Telephone: (301) 504-6503;
Fax: (301) 504-5675;
TTY (301) 504-6856

Internet:
nalrdds@nalusda.gov
FTS2000MAIL: a12rddsna1

RDDS-L Established

RDDS-L is an electronic discussion forum dealing with all issues related to the functioning of the USDA Regional Document Delivery System (RDDS). Participants discuss issues by sending electronic mail messages via the Internet or bitnet to RDDS-L.

RDDS-L then distributes received messages to the participants. RDDS-L is an excellent forum for RDDS participants to identify problems and rapidly discuss RDDS policies and issues.

The Albert R. Mann Library at Cornell University graciously offered to establish and manage the RDDS-L for the benefit of the RDDS community. Established in January 1993, RDDS-L uses listserv software housed at Cornell and the list owner manages the daily operations.

The RDDS Coordinator assists in running the RDDS-L from a policy perspective and determines eligibility for participation.

RDDS-L is available to RDDS participants and selected NAL staff. All librarians, library technicians, and fiscal and budget office staff working with this program at RDDS institutions are urged to participate on RDDS-L.

For more information about RDDS-L contact:

■ Tanner Wray, RDDS Coordinator

Telephone: (301)504-6503

Internet: nalrdds@nalusda.gov

■ or Howard Raskin, the list owner,

Telephone: (607)255-2286

Internet: hr2@cornellc.cit.cornell.edu

Raskin Coordinates RDDS Region 1

In the next few issues of *ALIN*, NAL will introduce the eight regional coordinators for the Library's Regional Document Delivery System (RDDS). The coordinators and other RDDS participants play critical roles in the

delivery of documents to remote USDA scientists.

Howard Raskin, Document Access Librarian at Cornell's Mann Library, is the coordinator for RDDS Region 1 (Northeast Region). This region serves USDA personnel within the states of New York, Pennsylvania, Michigan, and Ohio. Cooperating libraries include Ohio State University, Michigan State University, and the Ohio Agricultural Research and Development Cen-

ter at Wooster. Region 1 processed 5,625 requests for USDA personnel between October 1991 and September 1992.

As Document Access Librarian at Mann Library, Mr. Raskin supervises a unit responsible for circulation, reserve, and interlibrary services. The Document Access Unit circulates over 380,000 items annually. Current awareness, photocopy, and document delivery services are also offered by the unit which is comprised of twelve full time staff members and over seventy-five student assistants. In addition to their other duties, Mr. Raskin's staff work as information assistants at the Mann Library Reference/Information Desk and help users with Mann Library's vast array of electronic resources.

Mr. Raskin recently established the RDDS listserv (RDDS-L) [see related article in this issue of *ALIN*] at Cornell University. He will host the next RDDS Coordinators Planning Meeting to be held at Cornell on May 6 & 7, 1993.

Before coming to Mann Library in August of 1983, Mr. Raskin worked as Assistant Head of Circulation at Strozier Library, Florida State University. His career has also included periods as the coordinator of a two-county library system in north central Pennsylvania, and as the director of a medical library in western New York.

—Tanner Wray



photo courtesy of H. Raskin

Howard Raskin in his office at the Mann Library, Cornell University, where he coordinates Region 1 of RDDS and manages its listserv, RDDS-L.

Wray and Robey Coordinate RDDS Network

For those readers who have not had a chance to meet them, *ALIN* introduces Tanner Wray, who joined the NAL/Document Delivery Services Branch (DDSB) staff in June 1991 as the RDDS Coordinator, and Donna Robey, who joined the NAL/DDSB staff in February 1993 as an Office Automation Assistant.

Tanner Wray coordinates, as his primary responsibility, the NAL Regional Document Delivery System (RDDS), a nationwide network providing document delivery from 37 land-grant university libraries to remote USDA personnel. In this role, Wray oversees a budget of \$384,000, and a network which processed over 65,000 requests between October 1991 and September 1992. As part of his orientation to RDDS and USDA research activities, Wray assisted with outreach visits to fifteen Agricultural Research Service labs, one Forest Service lab, four USDA field libraries, and six RDDS Libraries. In 1992, he held two RDDS planning meetings emphasizing network revitalization and formalization of policies and procedures.



photo: J. Swab

Tanner Wray

In addition to his RDDS functions, Wray assists with oversight of the NAL document delivery contract, participates on an NAL committee examining the impact of producing NAL publications in electronic format, and is a microcomputer liaison for the branch (microcomputer liaisons install and maintain hardware and software, solve problems, and coordinate with NAL's Library Automation Branch). From June 1991 to November 1992, he also served as Head of Circulation, supervising the work of Circulation Desk staff.

Wray came to NAL from the Technical Information Center of the Centers for Disease Control Office on Smoking and Health where he worked for two years as a Technical Information Specialist. He provided library services to staff and information to the general public, and oversaw the development of the Smoking and Health Database (DIALOG File 160) and the *Bibliography on Smoking and Health*. He worked as an associate for one year at the National Library of Medicine. He earned his MLS at Syracuse University, did graduate work in earthquake seismology at Cornell University, and received his bachelor's degree in earth and planetary sciences from the Massachusetts Institute of Technology.



photo: J. Swab

Donna Robey

Donna Robey, as the DDSB Office Automation Assistant, splits her time between administrative duties, and maintaining and improving DDSB microcomputer systems. Her primary administrative duties include establishing and maintaining RDDS cooperative agreements, processing invoices for payment, maintaining DDSB policy sheets, and coordinating RDDS statistics. Her automation duties include recommending, acquiring, and managing software and hardware to support DDSB activities. She is also a microcomputer liaison for the branch. Robey came to NAL from the National Institutes of Health, National Institute on Drug Abuse, where she worked as a Grants Technical Assistant for over six years.

Four UMES Staffers Visit University Libraries in Egypt

PRINCESS ANNE — Four University of Maryland Eastern Shore librarians, headed by Library Services Director Jessie C. Smith, visited Egypt recently to review the status of the country's university library system and share information on library automation.

The team from the Frederick Douglass Library spent two weeks assisting Egypt's Supreme Council of Universities (Cairo, Ain Shams and Alexandria Universities) in developing competencies among the library staffs in such areas as administration, organization and management, and technology and automation. Smith, the team leader, was assisted by Donald Bradsher, public service librarian; Ellen Layman, reference/interlibrary loan librarian; and Mei Yiao Lo, assistant director for technical and automated services.

The team's visit was part of the Egyptian Universities Linkage Program in which UMES has been a

partner in recent years. The library staff's participation came as a result of a proposal submitted by the staff.

"It was a challenging and rewarding experience for the team and the participants," Smith said. "Participants expressed the need for more sharing and training. The team is available to provide additional assistance and follow-up as necessary."

She said three to four librarians from the Supreme Council of Universities in Egypt will come to the University of Maryland Eastern Shore later in the academic year for four weeks of additional hands-on experience in the Frederick Douglass Library.

Smith, director of the Douglass Library since 1972, has been a consultant on several projects, among them a Zambian project sponsored by the U.S. Agency for International Development.



photo courtesy of J. Smith

These University of Maryland Eastern Shore librarians recently visited Egypt as part of the Egyptian Universities Linkage Program. From left are: Donald Bradsher, Ellen Layman, Jessie Smith, and Mei Yiao Lo.

[Reprinted with permission from the *Daily Times* of Salisbury, Maryland.]

NAL and ARS Focus on Strategic Planning for Services to Scientists

by Peggy J. Beavers
ARS/NAL Coordinator

Strategic Planning Workshop

"We share frustrations and common problems; there is never enough money. Challenges confront us on how to provide adequate library services in the most efficient ways to support research," said R. Dean Plowman, Administrator of ARS, during his message to participants at the Agricultural Research Service/National Agricultural Library (Project) Strategic Planning Workshop held at NAL on September 22-23, 1992. Dr. Plowman emphasized the importance of cooperation between the two USDA agencies and the overall goal, which, simply stated, is to give every researcher access to the "library of the future" as quickly and

directly as possible. In his concluding remarks, he said, "Our focus should be on how to do the best job to get the information researchers need if we are going to have a dynamic research agenda."

Marva Nesbit, Director of the ARS EEO program and workshop facilitator, conducted an intensive review of

an agreement, signed in 1991 by Dr. Plowman and NAL Director Joseph H. Howard, that outlines specific roles of each agency to establish an electronic information network for ARS researchers, librarians and other personnel around the country.

Participants reviewed ARS/NAL project accomplishments, re-assessed objectives and responsibilities of each agency, and developed strategies to insure attainment of the long range goal of establishing a network which provides all ARS research laboratories access to the information holdings of the ARS Regional Research Center libraries and the National Agricultural Library.

During two days of small group discussions, participants shared their ex-

"We share frustrations and common problems; there is never enough money. Challenges confront us on how to provide adequate library services in the most efficient ways to support research."

—R. Dean Plowman



photo: J. Swab

ARS Assistant Administrator Dr. William Tallent and ARS/NAL Coordinator Peggy Beavers take part in the ARS/NAL Workshop discussions.



photo: J. Swab

Marva Nesbit, Director of EEO programs for ARS, makes a point while serving as the workshop facilitator.

expectations and concerns by exploring these areas:

- what has worked in the project so far;
- barriers already encountered;
- project expectations;
- visions for library networking;
- visions for automation; and
- barriers to automation.

Key Results

Key results of the workshop included the identification of action steps for future direction of cooperation:

- To establish a steering committee to guide and monitor ongoing activities;
- To enhance communication and education methods; and
- To develop a strategic plan for automation and networking to link ARS libraries and laboratories without libraries to NAL and to each other.

Workshop participants were:

Agricultural Research Service, Washington: Dr. William Tallent, Assistant Administrator, Office of Technology Transfer, and Marva Nesbit, Director, EEO

ARS participants from the field were: Eastern Regional Research Cen-

ter (ERRC) (Philadelphia, PA): John Cherry, Director; Wendy Kramer, Librarian; Michael Haas, Chair, Library Committee

National Center for Agricultural Utilization Research (NCAUR) (Peoria, IL): Don Blevins, Librarian; Mike Muhitch, Chair, Library Committee

Russell Research Center (RRC) (Athens, GA): Frank Greene, Director; Jo Ann Schoonmaker, Librarian; Stuart Nelson, Chair, Library Committee

Southern Regional Research Center (SRRC) (New Orleans, LA): John Barkate, Director; Suhad Wojkowski, Librarian; Donald Daigle, Chair, Library Committee

Western Regional Research Center (WRRC) (Albany, CA): Rena Schonbrun, Librarian; John Bernardin, Chair, Library Committee

Appalachian Soil and Water Conservation Research Laboratory (Beckley, WV): Walter Winant, Information Specialist

NAL participants were:

Joseph Howard, Director; Maria Pisa, Assistant Director for Policy and Planning; Keith Russell, Associate Director for Public Services; Pamela Andre, Associate Director for Automation; Peggy Beavers, ARS/NAL Coordinator; and other senior staff.

ARS/NAL Library Steering Committee Meeting

The joint ARS/NAL (Project) Steering Committee, appointed immediately following the September planning workshop, held its first meeting on January 11 at the National Agricultural Library. The full agenda included presentations on two major evaluation studies, appointment of an automation

"Our focus should be on how to do the best job to get the information researchers need if we are going to have a dynamic research agenda."

— R. Dean Plowman

committee, and discussion of how to proceed with other specific action steps from the September session.

The Steering Committee appointed an Automation/ILS Committee, chaired by Dr. John Bernardin, Western Regional Research Center in Albany, California. This committee was charged with investigating the costs and merits of a few options for automating ARS library operations. The task entails research of several automation and integrated library systems, including the VTLS (Virginia Tech Library System) which runs ISIS, NAL's integrated library system, that are suitable for this purpose and preparation of a report of findings and recommendations for presentation to the Steering Committee on April 2.

Ongoing special cooperative efforts between ARS and NAL, underway for several years, involve 10 major initiatives designed to improve library services for USDA's Agricultural Research Service. Key project accomplishments within the past year include completion of two major evaluation studies conducted through cooperative agreements with land-grant university libraries as follows:

- Automation of the ARS Regional Research Center Libraries, by John Ulmschneider and Charles Gilreath of the North Carolina State University Libraries; and
- Remote User Study, which was jointly conducted by Ted Sibia and Beverlee French, the University of California at Davis, Shields Library and at the National Agricultural Library by Keith Russell, Maria Pisa, and Peggy Beavers.

Site Visits To USDA Research Laboratories

Both studies, noted above, involved site visits to research laboratories to exchange ideas directly with librarians, researchers, administrators, and technical support staff about their information service needs. NAL and cooperating land-grant university libraries staff concluded a series of site



photo: J. Swab

Gary McCone (right) leads a discussion group during the workshop. Participants (L-R) included: Suhad Wojkowski, John Bernardin, Shirley Edwards, Ellen Pletsch, Stuart Nelson, and Joseph Howard.

visits to 27 ARS laboratories (ARS Regional Research Centers, 15 remote and 12 in university settings) and seven cooperating land-grant universities in eleven states. Site visits were phase two of an assessment of library services to

Agricultural Research Service researchers and personnel in remote locations in the U.S. Direct contact and interaction with users are invaluable to the success of outreach programs. Together with the survey



photo: J. Swab

Maria Pisa (left) leads a workshop discussion group including (L-R) Roberta Rand, John Cherry, Carol Ditzler, Rena Schonbrun, Keith Russell, John Barkate, Wendy Kramer, and Michael Haas.

data gathered prior to site visits, NAL obtained a list of priority areas on which to focus its outreach activities to meet the future needs of USDA personnel around the country.

ARS/NAL Library Steering Committee

William Tallent, ARS, Chair
 Maria Pisa, NAL, Vice-chair
 John Cherry, ERRC, ARS
 Donald Blevins, NCAUR, ARS
 John Bernardin, WRRC, ARS
 Keith Russell, NAL
 Pamela Andre, NAL
 Peggy Beavers, NAL

Automation/ILS Committee

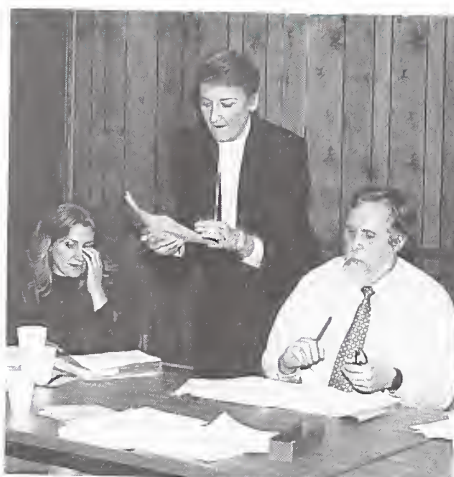
John Bernardin, WRRC, ARS, Chair
 William Damert, ERRC, ARS
 S. Wojkowski, SRRC, ARS
 Claudia Weston, NAL
 Walter Winant, ASWCRL, ARS
 Richard Bale, ARS



photo: J. Swab

Don Daigle (left) conducts the workshop discussion group consisting of (L-R) Jo Ann Schoonmaker, Wendy Kramer (back to camera), William Tallent, Pam Andre, Peggy Beavers, Michael Muhitch, and Walter Winant.

(Right) Joint Steering Committees Meeting participants included:



(Top) Richard Bale, Keith Russell, and William Tallent.

(Middle) Claudia Weston, Marva Nesbit, William Feidt, and Maria Pisa.

(Bottom) John Cherry, Wendy Kramer, and John Bernardin.

Photos: J. Swab

Yates Visits NAL on 1890 Project

by Peggy J. Beavers
ARS/NAL Coordinator

Evelyn E. Yates, acting Coordinator of Information Systems, John Brown Watson Memorial Library, University of Arkansas at Pine Bluff (UAPB) visited NAL recently to work on the university's LIBnet project and to become acquainted with NAL and its programs and services. During her two-day visit at NAL, Yates focused on the use of CD-ROM technology in agriculture and the food sciences.

Yates is assisting UAPB's School of Agriculture and Technology faculty and staff with development of LIBnet, a computerized network information delivery system. UAPB staff expect that LIBnet will significantly enhance the university's instructional, research and outreach programs in agriculture and related sciences.

The LIBnet project of the University of Arkansas-Pine Bluff, is supported through USDA's Capacity Building Grants Program. The National Agricultural Library is among several USDA agencies participating in the department's initiative to strengthen research and teaching capacities of 1890 land-grant institutions and Tuskegee University.

NAL has ongoing programs through which staff members work closely with the 1890 libraries and Tuskegee to identify and implement methods to strengthen their collections and services relating to agriculture and related sciences. The NAL/1890 partnership enhances 1890 personnel access to worldwide information in the agricultural sciences. Ongoing programs include: collection development, library staff training and orientation to NAL programs, services, and new NAL technologies for librarians, agricultural researchers, and educators. AGRICOLearn, NAL's



photo: J. Swab

Evelyn Yates and Peggy Beavers met at NAL to further development of a computerized network information delivery system for the University of Arkansas at Pine Bluff.

interactive video disc training program, is currently being circulated to the 1890s and Tuskegee University libraries.

Yates' two-day orientation to NAL programs and services included meetings with Maria Pisa, Assistant Director for Policy and Planning, and other senior NAL staff. The agenda also included overviews of the Reference and User Services Branch, the Animal Welfare, the Aquaculture, and the Food and Nutrition Information Centers, and new technology demonstrations.



News
Notes

NAL's FY 1993 Appropriation

The Fiscal Year 1993 appropriation for the National Agricultural Library remains unchanged from FY92 at \$17,715,000.

The total amount designated for the Agricultural Law Library in the Leflar

School of Law, University of Arkansas continues to be \$462,000.

The authorized repair and maintenance level for the NAL building remains at a level of \$900,000. This will enable NAL to continue to undertake a number of projects over the next few years to improve the facilities and correct deficiencies that exist.

—Celine Gilheany

AGRICOLA To Reach 3 Million Records

The National Agricultural Library is celebrating the issuance of the three millionth record in its AGRICOLA Database on Monday, July 12, 1993, at 9:00 a.m. in the lobby of the Library.

There will be a short program, followed by demonstrations of online systems and new technological developments being used at NAL. Light refreshments will be provided before the program.

The principal speaker at the program will be announced later. NAL Director Joseph H. Howard will host

the program and Gary McCone will be MC.

AGRICOLA (*AGRICultural On-Line Access*) is a bibliographic database consisting of records for literature citations of journal articles, monographs, theses, patents, software, audiovisual materials, serials, and technical reports relating to all aspects of agriculture. AGRICOLA is unlike many other databases in that it is primarily a catalog and index to the collections of the National Agricultural Library in Beltsville, MD. With over 2.8 million volumes, NAL is the largest agricultural library in the world. Since 1984, AGRICOLA has been expanded to include materials collected and input by cooperating institutions. There are now over 3 million records in AGRICOLA, many of which include abstracts. Coverage is international in scope with records representing materials in over 65 different languages

from over 160 different countries. About 65% of the records are for documents in English.

The database has been available on magnetic tape since 1970, and it is updated monthly. It is available on-line through database vendors, principally DIALOG in the U.S. and DIMDI in Europe. It is also available on compact disk through SilverPlatter, and it is updated periodically.

For additional information contact:
David Goldberg
Library Automation Branch, ISD
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351

Or Telephone: (301) 504-6813
TTY: (301) 504-6856
FAX: (301) 504-7473
Internet: dgoldberg@nalusda.gov
— David Goldberg

NAL Hosts Washington Rare Book Group's Annual Gathering

On December 10th, during the memorable evening of the 'nor'easter' with heavy rain and wind clocked at 60 plus miles an hour, more than sixty members of The Washington Rare Book Group (WRBG) braved the adverse weather elements to get to the NAL Special Collections Reading Room. Featured was an illustrated documentary presentation and slide lecture entitled, "Our Horticultural Heritage," by Alan Fusonie the Head of NAL's Special Collections followed by a laser disc demonstration.

Commenting on the success of this educational gathering, Jim Kelly and Suellen Towers, Co-chairpersons of the Group said that "the contrast between the harshness outside and the warmth of our hosts within could not have been greater." Those in attendance at this holiday get-together included publishers, printers, conservators, book artists, historians,

librarians, book dealers, and others. The Group provided an excellent catered Christmas dinner and cocktails on the balcony to complete the evening's festivities.

Persons interested in learning about the vast bibliographic resources in the Washington metropolitan area, including auction houses, rare book pro-

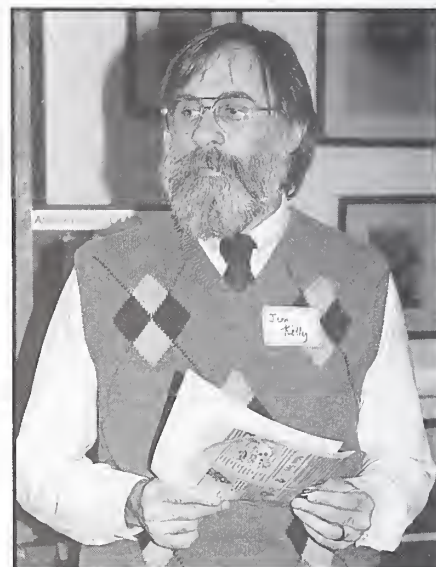


photo: J. Swab

Jim Kelly speaks to the WRBG.

grams, and tours of exhibitions, might consider joining the Washington Rare Book Group as an opportunity to expand horizons and friendships.

— Alan Fusonie

"The contrast between the harshness outside and the warmth of our hosts within could not have been greater."



photo: J. Swab

Members of the Washington Rare Book Group attend Alan Fusonie's slide lecture on "Our Agricultural Heritage."



New Publications of Note

Tapping Federal Technology – 156 Sources of Information on Research Programs

Frenetic energy describes the recent activities of NAL's Technology Transfer Information Center (TTIC) staff. According to Kate Hayes, Coordinator of the Center and Chair of the Federal Laboratory Consortium's Information Systems Committee, frenetic energy is what it took to produce a 220-page compendium describing more than 150 information, analysis, and software centers; clearinghouses; bulletin boards; databases; and catalogs.

The Federal Laboratory Consortium for Technology Transfer, with the cooperation of its member departments and agencies, including the U.S. Department of Agriculture, produced *Tapping Federal Technology: Inventions, Expertise, and Facilities*. Loren Schmid, Chairman of the Federal Laboratory Consortium, describes this as an "invaluable tool for companies seeking to exploit the technology and expertise available at more than 500 federally funded laboratories."

Kate Hayes adds that "Even though the publication was aimed at informing business firms and industry about the federal technologies and assistance available to them, we quickly realized it had other applications. Librarians, extension agents, and other information professionals will find this a valuable reference tool."

To facilitate the use of the publication, Bonnie Craighead, Librarian with the TTIC staff, created an index of more than 550 terms on topics covering

agriculture, aerospace, defense, energy, environment and natural resources, health, rehabilitation, manufacturing, trade, and transportation. The index refers users to the information resources which in turn lead them to government patents, scientists and engineers, equipment, and facilities.

Hayes stated that the publication is currently being reformatted for use with IBM and Apple or compatible computers. The Federal Laboratory Consortium Locator and other key people are pilot-testing the computer version, and are considering the possibility of its future distribution on floppy disks, electronic networks, or other media. Meanwhile, staff are preparing an updated publication for release in the next hard copy edition.

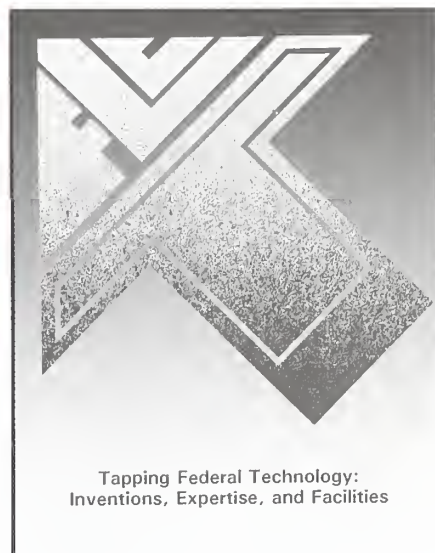
Tapping Federal Technology is available from:

*Federal Laboratory Consortium
Attn: Publications, P.O. Box 545
Sequim, WA 98382-0545.*

The cost is \$18, including shipping and handling.

Tapping Federal Technology is an "invaluable tool for companies seeking to exploit the technology and expertise available at more than 500 federally funded laboratories."

The Federal Laboratory Consortium for Technology Transfer promotes and facilitates the transfer of federal technologies from its members to the private and public sectors. The Consortium develops and tests transfer methods, addresses barriers to the process, highlights transfer efforts, and provides training. For industry and other technology seekers, the FLC net-



Tapping Federal Technology:
Inventions, Expertise, and Facilities

work serves as a point-of-entry to federal laboratory expertise and technology.

Guide to Federal Aquaculture Regulations Available

A guide to federal regulations controlling the use of drugs, biologicals, and chemicals in aquaculture is available from NAL's Aquaculture Information Center (AIC). It provides a summary of the roles of the Food and Drug Administration, the Environmental Protection Agency, and the USDA Animal and Plant Health Inspection Service in regulating animal drugs, feeds, pesticides, herbicides, vaccines, and related compounds used in aquaculture production. Places to contact for information on this subject are also included.

The guide, *Federal Regulation of Drugs, Biologicals, and Chemicals Used in Aquaculture Production*, was prepared by the Working Group on Quality Assurance in Aquaculture Production of the Joint Subcommittee on Aquaculture (JSA). AIC coordinated the production of the publication. According to Deborah Hanfman, AIC Coordinator, the guide "is intended as a general reference for

aquaculture industry leaders, educators, and others who provide information on the use of animal drugs, feeds, vaccines, herbicides, algicides, and related compounds in aquaculture situations."

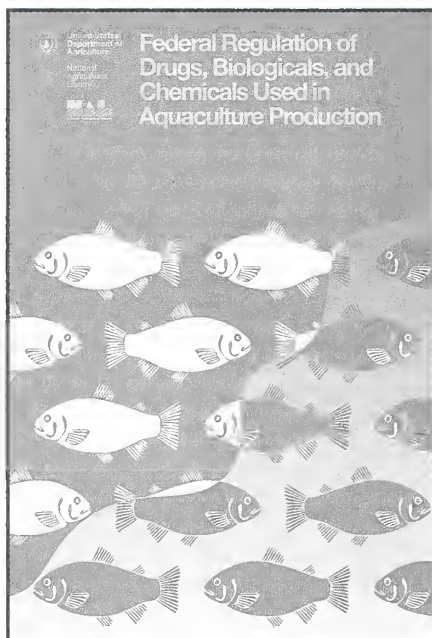
To obtain a copy, send a self-addressed label with the request to:

*Aquaculture Information Center,
Room 304*

*National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

*Telephone: (301) 504-5558;
[TTY: (301) 504-6856];
FAX: (301) 504-6409*

The National Aquaculture Improvement Act of 1985 states that it is national policy to promote aquaculture in the United States by ... encouraging aquaculture activities and programs in both the public and private sectors of the economy. It recognizes that aquaculture in the United States is a viable approach toward meeting food needs. It also recognizes that aquaculture provides resources for industrial materials, pharmaceuticals, and energy, and assists in pollution control. As a whole, the aquaculture industry can help reduce the U.S. trade deficit and alleviate the world's hunger and natural resource problems.



Rural Health Information Available Toll-Free at NAL

Information on rural health care issues is available toll-free from the Rural Information Center Health Service (RICHS) at the National Agricultural Library. The telephone number is 1-800-633-7701.

RICHS, a joint project of NAL and the Office of Rural Health Policy in the U.S. Department of Health and Human Services, is a clearinghouse for information on rural health topics including health service delivery, health research personnel, policy, financing, and the health status of rural Americans.

Patricia John, coordinator of NAL's Rural Information Center (RIC), under which RICHS operates, stated that "the targeted user group for RICHS is anyone interested in rural health issues, especially health care professionals, researchers, extension agents, educators, all levels of government, and health groups."

John indicated that "among the services offered, the RIC/RICHS staff assists rural health groups in getting answers to health-related questions, acquiring research information, and identifying funding sources to support rural health programs."

The service is available Monday through Friday, except Federal holidays, between 8 a.m. and 4:30 p.m. (Eastern Time).

For additional information write to:

*Rural Information Center Health
Service*

*National Agricultural Library,
Room 304*

*10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

*Telephone: 1-800-633-7701;
TTY: (301) 504-6856;
FAX: (301) 504-5181*

Food Labeling Education Database Available at NAL

A database of food labeling education activities throughout the United States is now available at the Food Labeling Education Information Center of the National Agricultural Library.

The database includes projects, campaigns, and educational materials (brochures, videotapes, etc.) that have been produced to inform the public about new food labeling laws that recently took affect.

"The database was set up to assist those working to develop education programs on the new food labeling laws," said Gina McNeal, a food labeling information specialist for the Food Labeling Education Information Center.

"Knowing what's been done before will allow other organizations to build on and refine food labeling education programs," McNeal said. "The database also allows organizations to incorporate into their education programs food labeling materials that are now available."

The database is updated regularly.

The Food Labeling Education Information Center, part of NAL's Food and Nutrition Information Center, is a cooperative effort between NAL, the Food Safety Inspection Service of the U.S. Department of Agriculture and the U.S. Food and Drug Administration.

Information from the database is available by contacting McNeal at:

*Food Labeling Education
Information Center
National Agricultural Library,
Room 304*

*10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

*Telephone: (301) 504-5719
TTY: (301) 504-6856
FAX: (301) 504-6409*





Publications Exchange

Serial Gaps

The National Agricultural Library identifies gaps in the national collection through collection maintenance activities and patron requests. We appreciate your donation of the following publications needed to complete collections. If you have questions, call Ruth Finnblade, Gift and Exchange Program, (301) 504-7061 [TTY (301) 504-6856].

Send items to:

National Agricultural Library
Gift and Exchange Program/RF,
Room 002G
10301 Baltimore Boulevard
Beltsville, MD 20705-2351

Acta Physiologica Hungarica. Vol. 74 (2), 1989; Vol. 76 (4), 1990.

Annales de l'Institut Pasteur. Microbiology. Vol. 139 (3), 1988.

Arquivos do Museu Bocage. Nova Serie. Vol. 1 (33), 1987.

British Poultry Science. Vol. 26 (3), 1985.

Bulletin des Societes Chimiques Belges. Vol. 99 (1), 1990.

Chronobiologia. Vol. 16 (2), 1989.

Fitoterapia: Revista di Studi ed Applicazioni delle Piante Medicinali. Vol. 61 (4), 1990.

Guyana. Botanica. Vol. 42 (1111-2), 1985; Vol. 43, 1986.

Hormone and Metabolic Research = Hormon- und Stoffwechselforschung = Hormones et Metabolisme. Vol. 17 (4), 1985.

Internationale Revue der Gesamten

Hydrobiologie. Vol. 74 (3), 1989.

Izmir Ticaret Odasi Dergisi. The Izmir Chamber of Commerce. 1985 (9); 1987 (6).

Journal of Autonomic Pharmacology. Vol. 9 (5), 1989.

Kemisk Tidskrift. Vol. 100 (14), 1988.

Lejeunia: Revue de Botanique. No. 126, 1987; No. 132, 1989.

Marches Tropicaux et Meditteraneens: Paris. Vol. 41 (2072), 1985; Vol. 42 (2101), 1986.

National Hog Farmer. 1986 (2).

Roux's Archives of Developmental Biology: the Official Organ of the EDBO. Vol. 195 (7-8), 1986.

Seikagaku. Vol. 61 (4), 1989.

Svensk Papperstidning = Swedish Paper Journal. Vol. 90 (1-9), 1987; Vol. 93 (15-16), 1990; Vol. 94 (9 & 17), 1991.

Trade With Greece. Athens, Chamber of Commerce. 1987 (91).

Yuki Gosei Kagaku Kyokaishi. Journal of Synthetic Organic Chemistry, Japan. Vol. 43 (2), 1985; Vol. 46 (2), 1988.

Surplus Publications

The National Agricultural Library will make available the following surplus publications to any interested organization that regularly sends free publications to NAL, including most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material. Listed titles may be requested up to six months following announcement.

If interested, please enclose an addressed label with your request and write to:

National Agricultural Library
Attn: Gift and Exchange/RF,
Room 002
10301 Baltimore Boulevard
Beltsville, MD 20705-2351

Or call Ruth Finnblade, (301) 504-7061 [TTY (301) 504-6856].

Agronomy Journal. Vol. 51-78, 1959-86.

American Naturalist. Vol. 127-130, 1986-88.

Journal of Economic Entomology. Vol. 62-74, 1969-88.

Journal of the Georgia Entomological Society. Vol. 14-19, 1979-84.

Replacement Request for Damaged Book

The National Agricultural Library would like to replace the following book which was returned to the Library damaged:

Interpretation of Mass Spectra of Organic Compounds, by Mynard C. Hamming and Norman G. Foster, 1972.

If you have an extra copy you would like to donate to the collection, please contact Ruth Finnblade, (301) 504-7061 or send to:

Gift and Exchange Unit/RF, Rm. 002
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705-2351



New Serials Received at NAL

Acta hydroentomologica Latvica / Societas Entomologica Latvica, Societas Internationalis Odonatologica. Riga: "Zinatne." Annual. 1- 1991.
QL472.A27.

AGR-Y-COM / IICA, Programa IV— Comercialización y Agroindustria. San José, Costa Rica: Centro Interamericano de Documentación e Información Agrícola. Quarterly. Vol. 1, nos. 1-2 (abr.-jun. de 1989)-
Z5074.E3A36

Annual Report / Central Bank of Barbados. Bridgetown: Central Bank of Barbados. 1st (1972)-
HG2846.B3C45

Aquaphyte: Newsletter of the IPPC Aquatic Weed Program of the University of Florida, a part of the International Plant Protection Center of the Oregon State University, which is funded by the United States Agency for International Development. [Gainesville, FL]: The Program. Semiannual. Vol. 1, no. 1 (fall 1981)-
QK102.A78

Eesti Teaduste Akadeemia toimetised. Ökoloogia = Izvestiia Akademii nauk Estonii. Ekologia = Proceedings of the Estonian Academy of Sciences. Ecology. Tallinn, Estonia: Perioodika. Quarterly. 1/1- 1991-
QH540.E324

Expert Express Aid Finder. St. Louis, MO: Professional Knowledge Systems. Annual. 1992-
HC110.P63E46

Fertility and Sterility. Birmingham, AL: American Fertility Society.

Monthly, (Nov. 1975-); Bimonthly, 1950- Vol. 1 (Jan. 1950)-
448.8 F41

Fisheries, Wildlife, and TES Species Challenge Cost-Share Program Report for the Intermountain Region. Ogden, UT: U.S. Dept. of Agriculture, Forest Service, Fisheries and Wildlife Staff, Intermountain Region. Annual. FY1990-
aSD11.U63

Greenhouse Product News. Des Plaines, IL: s.n. Bimonthly. Vol. 1, no. 1 (Sept. 1990)-
SB414.6.G73

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Our Living Oceans: The ... Annual Report on the Status of U.S. Living Marine Resources. [Silver Spring, MD?]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service. Annual. 1st- 1991-
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Reviews in Pesticide Toxicology. Raleigh, NC: North Carolina State University. 1- c1991-
RA1270.P4R48

Water Development, Supply and Management. Oxford [Oxfordshire; Elmsford, NY]: Published for the United Nations by Pergamon Press. Vol. 1- 1978-
TD353.W35

Who's Who in the Fish Industry. Central & South America. Toms River, NJ: Urner Barry Publications. 1993-
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New Bibliographies

The bibliographies in the *Quick Bibliography* series are primarily computerized online as batch bibliographies emanating from searches performed by the NAL Public Services Division Staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, and probable value to a larger audience. Since October 1988, all *QB's* include search strategies. Unless otherwise specified, citations are from AGRICOLA.

The other bibliographic series, including *Special Reference Briefs*, have been researched and produced to meet special needs of clientele of the Library and its Information Centers. Revisions or updates will be announced when produced. Only one copy of a requested title will be sent; however, requesters may make copies. To request a copy of a *Quick Bibliography*, *Special Reference Brief*, or other bibliographic work, circle the desired title(s) below and send your request with a self-addressed label to:

Reference Branch, Room 111
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705-2351

Quick Bibliographies

Q.B.—93-18. Biotechnology: Forestry and Forest Products, January 1990-January 1993. 134 citations; languages: none excluded. Prepared by Lara Wiggert and Robert Warmbrodt. Biotechnology Information Center. March 1993. Updates Q.B. 91-113.

Q.B.—93-19. Mollusc Culture, January 1989-February 1993. 81 citations; languages: none excluded.

Prepared by Eileen M. McVey. Aquaculture Information Center. March 1993. Updates Q.B. 90-91.

Q.B.—93-20. Biotechnology: Patenting Issues, January 1985-January 1993. 132 citations; languages: none excluded. Prepared by Lara Wiggert and Robert Warmbrodt. Biotechnology Information Center. March 1993. Updates Q.B. 92-42.

Q.B.—93-21. U.S. Farm Policy, January 1991-February 1993. 285 citations; languages: none excluded. Prepared by Mary E. Lassanyi. Agricultural Trade and Marketing Information Center. March 1993. Updates Q.B. 91-10.

Q.B.—93-22. International Trade Policies and Global Agriculture, January 1991-February 1993. 346 citations in English. Prepared by Mary E. Lassanyi. Agricultural Trade and Marketing Information Center. March 1993. Updates Q.B. 91-09.

Q.B.—93-23. Embryo Transfer in Animals, January 1990-October 1992. 249 citations in English. Prepared by Sheldon Cheney. Reference and User Services Branch. March 1993. Updates Q.B. 90-19.

Q.B.—93-24. Biotechnology: Genetic Engineering for Crop Plant Improvement, January 1992-January 1993. 257 citations; languages: none excluded. Prepared by Lara Wiggert and Robert Warmbrodt. Biotechnology Information Center. March 1993. Updates Q.B. 92-48.

Q.B.—93-25. Paulownia: Potential Tree Crop, January 1979-December 1992. 104 citations; languages: none excluded. Prepared by Evelyn A. Brownlee. Reference and User Ser-

vices Branch. April 1993. Updates Q.B. 88-11.

Q.B.—93-26. Space Based Remote Sensing for Agricultural Applications, January 1990-December 1992. 102 citations; languages: none excluded. Prepared by Evelyn A. Brownlee. Reference and User Services Branch. April 1993. Updates Q.B. 90-43.

Q.B.—93-27. Imported Fire Ant, January 1988-December 1992. 159 citations; languages: none excluded. Prepared by Evelyn A. Brownlee. Reference and User Services Branch. April 1993. Updates Q.B. 88-01.

Rural Information Center Publication Series

R.I.C.P.S.—20. Rural Health Services Funding: A Resource Guide. Compiled by Louise Murphy Simmons. Rural Information Center. April 1993. 52p.

R.I.C.P.S.—21. Agricultural Safety and Health: A Resource Guide. Compiled by Joy Zimmerman. Rural Information Center. April 1993. 68p.

Miscellaneous

Horticultural Journals Currently Received at the National Agricultural Library. Revised Edition, April 1993. Compiled by Suzanne DeMuth. Alternative Farming Systems Information Center. April 1993. 54p.

Sources of Free or Low-Cost Food and Nutrition Materials. Revised April 1993. Food and Nutrition Information Center. April 1993. 20p.





Agriculture Datebook

Meetings included in this list are selected from USDA's *Ag Calendar* and information provided by NAL information centers, federal and state agencies, associations, and interest groups. Normally, items are listed only once, as soon as practical after receipt. Inclusion does not constitute endorsement by NAL or USDA. Please send items for consideration to:

*National Agricultural Library
ALIN Editor, Room 204
10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

May 25-27: Federal Environmental Restoration Conference and Exhibition. Washington, DC, Sheraton Washington Hotel. Contact: 301-982-9500.

May 25-28: DNA Sequencing. Washington, DC. Contact: 202-319-6161; FAX: 202-319-4467 and 202-319-5721.

May 26-27: Production and Uses of Genetically Transformed Plants. London, UK. Contact: The Royal Society. 6 Carlton House Terrace, London, SW1Y 5AG, UK, Telephone: (071) 8395561.

May 26-28: World Aquaculture '93. Torremolinos, Spain. Contact: Peter Landless, 0285651843; FAX: 0285650729.

May 30-June 3: 1993 Joint Meeting of the American Society for Biochemistry and Molecular Biology and the Division of Biological Chemistry of the American Chemical Society. San Diego, CA. Contact: 301-530-7009.

June 1-3: Ag Expo. Morris, Manitoba, Canada. Contact: Frank Pitura, 204-746-2900.

June 1-3: Educational Composting Workshop for Extension Workers. Minneapolis, MN. Contact: Jim Bushnell, 202-447-4481.

June 1-4: Separation and Purification Strategies for Biotechnology

Products Workshop. Penn State Univ, PA. Contact: Ms Patricia Phillips, 800-833-5533.

June 1-4: Site Directed Mutagenesis. Washington, DC. Contact: 202-319-6161; FAX: 202-319-4467 and 202-319-5721.

June 2-4: Fifth Annual Meeting of the National Agriculture Biotechnology Council. Purdue University. Contact: Peter Dunn or Marshall Martin, 317-494-4268/4596.

June 2-5: Agricultural Biotechnology: A Public Conversation About Risk: NABC 5th Annual Meeting. West Lafayette, IN. Contact: National Agricultural Biotechnology Council, 159 Biotech Bldg., Cornell University, Ithaca, NY, 14853-2703.

June 4: Forestry Sciences Lab Dedication. Flagstaff, AZ. Contact: 202-205-1661.

June 4: U.S. Meat Exporters Federation Board of Directors Meeting. Washington, D.C. Contact: 202-720-7025.

June 5-8: National Ag in the Classroom Conference. Washington, DC; Holiday Inn Crowne Plaza. Contact: Shirley Traxler, 202-720-5727.

June 5-9: Congress on Cell and Tissue Culture: 1993 Meeting of the Tissue Culture Association. Growth Control: From the Receptor to the Nucleus. San Diego, CA. Contact: 410-992-0946.

June 6-10: American Society for Biochemistry & Molecular Biology Meeting. St. Louis, MO. Contact: Geri Goodenough, 301-530-7010; FAX: 301-530-7014.

June 6-11: Summer Extension Institute on Aging. Missouri Gerontology Institute, University of Missouri—Columbia. Contact: Doris Littrell, 314-882-7460.

June 7-10: World Congress of Dairy Products in Human Health and Nutrition. Madrid, Spain; Palace of

Congresses. Contact: Congress Secretariate, Tílesa, Avda. de Burgos, 39-7.ª izda., 28035 Madrid, España. Tel: (34-1) 302 64 80; FAX: (34-1) 766 65 36.

June 7-11: Advanced Course on Plant Genetic Engineering and Gene Expression. Leiden, The Netherlands. Contact: Dr. van der Meer-Lerk, Institute of Biotechnology Studies Delft, Kluyver Laboratory, Julianalaan 67, 2628 BC Delft, Netherlands. Telephone: 015-785-140; FAX: 015-782-355.

June 7-11: Expression of Recombinant DNA in Mammalian Cells. Washington, DC. Contact: 202-319-6161; FAX: 202-319-4467 and 202-319-5721.

June 7-11: Literacy, and All That Jazz. Commission on Adult Education and American Association for Adult and Continuing Education Annual Conference. New Orleans, LA. Contact: Sidney Bellard, 504-277-6123 or Sam Dauzat, 318-257-4609.

June 7-11: Plant Tissue Culture Techniques Workshop. Columbia, MD. Contact: Exon-Intron Inc., 410-730-3984; Fax: 410-730-3983.

June 7-11: Recombinant DNA: Techniques and Applications Workshop. Rockville, MD. Contact: American Type Culture Collection, 301-881-2600; Fax: 301-231-5826.

June 8: Wilderness Management Training for Line Officers. Missoula, MT. Contact: 202-205-1661.

June 8-10: Mid Atlantic Aquaculture Conference. Dover, DE. Contact: John Ewart, 302-645-4060.

June 8-11: Bioexpo-Biotechnology Applied to Research Industry and Agriculture Conference and Exhibition. Paris, France. Contact: Sepfi Technoexpo Blenheim, 8 rue de la Michodiere, F-75002, Paris, France, Telephone: 1-47-429-256; Telex: 211897F; FAX: 1-42-661-428.

June 9-11: Canadian Council on Animal Care Workshop: Approaches to Design and Development of Cost Effective Laboratory Animal Facilities. Ottawa, Ontario, Canada. Contact: 613-238-4031.

June 9-11: Approaches to Design and Development of Cost Effective Laboratory Animal Facilities, Canadian Council on Animal Care. Ottawa, Ontario, Canada. Contact:

613-238-4031.

June 9-12: Creatures of the Dark: The Nocturnal Prosimians. Duke University Primate Center. Durham, NC. Contact: Ms. Kitty Cornett, 919-684-2535.

June 9-12: 4th Gatlinburg Symposium: Plant Genome Analysis. Knoxville, TN. Contact: Peter M. Greshoff, 615-974-8841; FAX: 615-974-2765.

June 9-12: Seventh Annual Meeting of the Society of Conservation Biology. Tempe, AZ. Contact: 602-965-6518.

June 10-11: National Institutes of Health Animal Care Workshop. Oklahoma City, OK. Contact: Ms. Marilyn Perry, 405-842-6633.

June 10-11: A New Paradigm for Food, the Farm, and the Public: The Impact of Biotechnology, an Institute for Science in Society (ISIS) Conference. Washington, DC. Contact: USDA's OAB, 703-235-4419; FAX: 703-235-4429 for conference information; and Luise Light, 202-331-0613; FAX: 202-331-7543 for ISIS or registration information.

June 11-15: Development and the Environment. International Association for Impact Assessment. Shanghai, China. Contact: Maurice E. Voland, 919-964-2338.

June 12-13: Center for Rural Affairs 20th Anniversary Celebration. Walthill, NE. Contact: 402-846-5428.

June 13-16: 88th Annual Meeting of the American Dairy Science Association. University of Maryland, College Park, MD. Contact: Molly Kelley, 217-356-3182.

June 13-16: 39th Conference. National Association of Colleges and Teachers of Agriculture. College of Southern Idaho, Twin Falls, ID. Contact: 208-732-9554.

June 13-17: Sixth European Congress on Biotechnology. Florence, Italy. Contact: ECB6, c/o Organizzazione Internazionale Congressi, Via G. Modena 20, 50121 Florence—Italy, Telephone: +39 55 5000631; FAX: +39 55 570227.

June 14-15: Joint Meeting of North Central Regional Research in Cooperatives and WRCC-72 Agribusiness Research Emphasizing Competitiveness. Las Vegas, NV. Contact: 202-720-7558.

June 14-16: 34th Western Fish Dis-

ease Conference. Port Ludlow, WA. Contact: Bob Rogers, 206-902-2669.

June 14-18: Plant Biotechnology. Washington, DC. Contact: 202-319-6161; FAX: 202-319-4467 and 202-319-5721.

June 15-18: Fermentation Methods and Scale-Up Strategies Workshop. Penn State Univ, PA. Contact: Ms Patricia Phillips, 800-833-5533.

June 15-18: International Symposium on Sea Ranching of Cod and Other Marine Fish Species. Arendal, Norway. Contact: D.S. Danielssen or E. Moksness, 011474110580; FAX: 011474110515.

June 17-18: NIH sponsored workshop entitled "Controversial Issues Affecting Animal Use: Challenges for Today's IACUC's." Oklahoma City, OK. Contact: Marilyn Perry, 405-271-5185.

June 18: Southeastern Meat Association Annual Convention. Ponte Vedra Beach, FL. Contact: 202-720-7025.

June 19-22: National Association of Regional Councils. 27th Annual Conference and Exhibition. Portland Hilton, OR. Contact: 202-457-0710.

June 19-24: Of Media and Mes-sages. Association for Living Historical Farms and Agricultural Museums Annual Meeting and Conference. St. Paul, MN; Minnesota Historical Society. Contact: 313-487-3984.

June 20-24: Frontiers in Rural Mental Health. National Association for Rural Mental Health and Nebraska Department of Public Institutions. Lincoln, NE. Contact: Art Machado, 402-471-2851.

June 20-24: Partners Afloat. Middle Fork, Salmon River, ID. Contact: 202-205-1661.

June 20-24: 68th Conference. Western Economic Association International. Lake Tahoe, NV; Harvey's Resort Hotel. Contact: 714-898-3222.

June 20-25: 86th Annual Meeting of the American Waste Management Association. Denver, CO. Contact: 202-260-2727.

June 20-25: Third International Meeting on Ribonucleases: Chemistry, Biology, Biotechnology. Edmonton, Canada. Contact: Dr. R.S. Hodges, University of Alberta, Dept. of Biochemistry, Edmonton, AB, Canada T6G 2H7.

June 20-26: International Workshop on Sustainable Land Management for the 21st Century. Lethbridge, Alberta, Canada; University of Lethbridge. Contact: 403-329-2244.

June 21-23: Aquaculture Engineering: An International Conference of Engineering Techniques for Modern Aquaculture. Spokane, WA. Contact: Paul Piedrahita, 976-752-2780; FAX: 916-752-2640.

June 21-24: NASA's 1993 Space Station Freedom Utilization Conference. San Francisco, CA. Contact: 202-479-5242; FAX: 202-863-8407.

June 22-26: Conference: Sustaining the Earth Summit-Planting a New Vision of Sustainable Agriculture. Minneapolis, MN. Contact: Terry Gips, 612-331-1099; FAX: 612-379-1527. EcoNet: IASA. HandsNet: HN1583.

June 23-26: Environmental Education 2000—International Conference. Leesburg, VA. Contact: 703-253-5812; FAX: 703-253-5811. email: alliance@igc.apc.org.

June 24-27: 6th Atlantic Aquaculture Fair-St. Andrews. St. Andrews, New Brunswick, Canada. Contact: Atlantic Aquaculture Fair, 506-529-4578; FAX: 506-529-8095.

June 24-27: Third International Aquarium Fish and Accessories Exhibition and Conference. World Trade Centre, Singapore. Contact: 65-2999273.

June 25-26: Comprehensive Skills for Public Housing and Community Development Commissioners. National Association of Housing and Redevelopment Officials. Hyannis, MA. Contact: 202-429-2960.

June 25-28: National Forest Foundation Board Meeting. Columbia River Gorge, OR. Contact: 202-205-1661.

June 26-30: American Home Economics Association Annual Meeting and Exposition. Orlando, FL. Contact: 703-706-4600.

June 26-30: National Environmental Health Association Annual Educational Conference and Exhibition. Orlando, FL. Contact: 303-756-9090.

June 28-29: Symbol, Substance and Science: Societal Issues of Food Biotechnology. Research Triangle Park, NC. Contact: Steve Burke, 919-

541-9366.

June 28-July 1: Bio Tech 93: Biotreatment of Wastes, International Conference and Developer Forum. Aalborg, Denmark. Contact: DAKOFA, Vester Farimagsgade 29, DK 1780 Copenhagen V Denmark, Telephone: 3-315-6565; FAX: 3-393-7171.

June 28-July 2: VII World Conference on Animal Production. University of Alberta, Edmonton, Alberta, Canada. Contact: 403-492-3233.

June 28-July 2: In Situ Hybridization. Washington, DC. Contact: 202-319-6161; FAX: 202-319-4467 and 202-319-5721.

June 30-July 1: USDA's Agricultural Biotechnology Research Advisory Committee (ABRAC) Meeting. Research Triangle Park, NC. Contact: Alvin Young, 703-235-1419; FAX: 703-235-4429.

July 6-9: American Society of Animal Science Annual Meeting. Spokane, WA. Contact: Molly Kelley 217-356-3182.

July 6-9: Fourth International Livestock Environment Symposium. Coventry, England; University of Warwick, Conference Park. Contact: Jon Hiler, 616-429-0300 or Eldridge Collins, 703-231-7600.

July 6-10: DNA-Binding Proteins & Transcriptional Regulators. Washington, DC. Contact: 202-319-6161; FAX: 202-319-4467 and 202-319-5721.

July 7-9: The 1st International Conference on Intelligent Systems for Molecular Biology. Washington, DC. Contact: J. Shavlik, Computer Sciences Dept., University of Wisconsin, 1210 W. Dayton St., Madison, WI 53706, Email: ISMB@nlm.nih.gov.

July 8-11: International Herb Growers and Marketers Association 8th Annual Conference. Bellevue, WA; Red Lion Hotel. Contact: Edward Stygar, IHGMA, 708-949-4372.

July 10-14: Institute of Food Technologist's Annual Meeting and Food Expo. Chicago, IL. Contact: 312-782-8424.

July 11-13: Fifth Biennial National Conference: Theory and Practice-Based Psychosocial Nursing. School of Nursing. Seattle, WA. Contact: 206-543-1047.

July 11-17: International Conference on Tortoise & Turtle Conser-

vation. New York, NY. Contact: 212-459-4803.

July 12-15: 1993 National AHEC Workshop: The AHEC Difference: Solving Health Problems with Local Solutions. Las Vegas, NV. Contact: Gayle G. Cluck, 702-877-0895.

July 12-16: Protein & Nucleic Acid Separation Techniques. Washington, DC. Contact: 202-319-6161; FAX: 202-319-4467 and 202-319-5721.

July 12-16: Recombinant DNA Methodology Workshop. Columbia, MD. Contact: Exon-Intron, Inc., 301-730-3984; FAX: 301-730-3983.

July 13-15: The Environmental Educational Conference and Buyers Exhibition for Mexico. Camino Real, Mexico City, Mexico. Contact: E. J. Krause & Associates, 301-986-7800; FAX: 301-986-4538.

July 13-16: Eighth North American Colloquium on Domestic Animal Cytogenetics and Gene Mapping. Guelph, Ontario, Canada. Contact: Dr. W.A. King, Dept. of Biomedical Sciences, Ontario Veterinary College, University of Guelph, Guelph, Ontario, N1G 2W1, Canada.

July 14-15: American Indian Males: Maintaining Mental, Physical, and Spiritual Wellbeing for Family and Self. American Indian Health Care Association. Minneapolis, MN. Contact: 612-293-0233.

July 14-15: Leopold Center for Sustainable Agriculture Annual Conference. Ames, IA. Contact: 515-294-3711.

July 14-17: Second National Conference on Drug Abuse Research and Practice: An Alliance for the 21st Century. Washington, DC. Contact: 301-65-2205.

July 14-17: Southwest Meat Association Annual Convention. Del Lago, TX. Contact: 202-720-7025.

July 15-16: National Institutes of Health/Food and Drug Administration National Human Subject Protection Workshop. Minneapolis, MN. Contact: University of Minnesota of Minneapolis, MN.

July 16-20: 58th Annual Conference. National Association of Counties. Chicago, IL. Contact: 202-393-2630.

July 17-21: American Veterinary Medical Association, Annual Meeting. Minneapolis, MN. Contact: 708-925-

8070.

July 17-24: 5th International Symposium on Genetics and Molecular Biology of Plant Nutrition. Davis, CA. Contact: D.W. Rains, 916-752-1711, FAX: 916-752-4361.

July 18-21: National Association of Area Agencies on Aging Annual Meeting. Washington, DC. Contact: 202-296-8130.

July 18-21: Rededicating Ourselves to Community. 25th Annual International Conference of the Community Development Society. Milwaukee, WI. Contact: 414-276-8788.

July 18-22: Coastal Zone '93. New Orleans, LA. Contact: Orville Magoon, 707-987-0114.

July 19-21: Association of State and Territorial Solid Waste Management: National Solid Waste Forum on Integrated Municipal Waste Management. Lake Buena Vista, FL. Contact: Kerry Callahan, 202-624-5828.

July 19-21: Toward the Year 2000 - Refining the Measures. 1993 Public Health Conference on Records and Statistics. Washington, DC; National Center for Health Statistics. Contact: Nancy Hamilton, 301-436-7122.

July 19-23: Advanced Topics in Recombinant DNA Workshop. Columbia, MD. Contact Exon-Intron, 301-730-3984; FAX: 301-730-3983.

July 20-23: International Workshop on Sustainable Land Management for the 21st Century. University of Lethbridge, Lethbridge, Alberta, Canada. Contact: Conference Services, University of Lethbridge, 4401 University Dr., Lethbridge, Alberta, Canada, T1K 3M4.

July 23-25: National Science Teachers Association, 1993 2nd International Conference. Oaxtepec, Mexico. Contact: 202-328-5800.

July 24-29: 90th Annual Meeting of the American Society for Horticultural Science. Nashville, TN; Opryland Hotel. Contact: 703-836-4606; FAX: 703-836-2024 or Bonnie Riechert, 615-974-7362.

July 25-28: Working With America's Youth. National Resource Center for Youth Services and the Network for Runaway and Youth Services. Contact: 918-585-2986.

July 25-29: Winning With People, Data and Technology. Urban and Regional Information Systems As-

sociation. Atlanta, GA. Contact: 202-289-1685.

July 25-30: 4th International Conference on Desert Development. Mexico City, Mexico. Contact: Manuel Anaya Garduna. Scientific IV ICDD, Colegio do Post-graduados, Montecillo, Edo.l de Mexico 56230. Mexico. Tel: 52-595-45701; FAX: 52-595-4573. Or P.O. Box 91, Chapingo, Edo. de Mexico. 56230. Mexico.

July 25-30: Third International Symposium on the Molecular biology of the Potato. Santa Cruz, CA. Contact: William Belknap, ARS, 800 Buchanan Street, Albany, CA 94710.

July 26-29: ADA [Americans With Disabilities Act] Expo '93. U.S. Professional Development Institute. Washington, DC. Contact: Noel Zakin, 301-445-4400.

July 26-29: American Association of Meat Processors Annual Convention and Trade Show. Las Vegas, NV. Contact: 717-367-1168.

July 26-29: National Institute on Cooperative Education. Cincinnati, OH. Contact: 202-70-7558.

July 28-August 6: 6th International Congress of Plant Pathology. Montreal, Canada. Contact: 6th I.C.P.P., National Research Council Canada, Ottawa, Ontario K1A 0R6, Canada.

July 29-August 1: The 9th International Water Lily Society Symposium. Rye Brook, NY. Contact: Hildreth K. Morton, 410-798-0231; FAX: 410-798-5314.

July 30-August 8: PESCA '93. Mexico City, Mexico. Contact: Expo-Avance USA, 617-489-3901; FAX: 617-484-7078.

July 31-August 4: DNA Damage—Effects on DNA Structure and Protein Recognition. Burlington, VT. Contact: 212-838-0230; FAX: 212-838-5640.

July 31-August 4: 1993 Joint Meeting of The American and Canadian Societies of Plant Physiologists. Minneapolis, MN. Contact: Dorothy Croft, 301-251-0560; FAX: 301-279-2996.

August 1-4: American Agricultural Economics Association. Orlando, FL. Contact: 515-294-8700.

August 1-4: Annual Meeting of Agricultural Economics Association. Orlando, FL. Contact: 202-720-7558.

August 1-4: 84th Northern Nut Growers Association Annual Meeting. Pittsburg, KS; Pittsburg State Univ. Contact: Tucker Hill, 717-938-6090.

August 1-4: Moving Towards the Next Century in Technology Transfer. Clearinghouse of Local Highway Training and Technology Resources. National LTAP Conference. Mayaguez, Puerto Rico. Contact: 202-393-2794.

August 1-5: The 44th AIBS Annual Meeting: Grasslands. Iowa State University, Ames, IA. Contact: Donna Haegele, 202-628-1500; FAX: 202-628-1509.

August 1-6: 32nd International Congress of Physiological Sciences. International Union of Physiological Sciences. Glasgow. Contact: Denis Noble (0742) 758688.

August 2-4: 44th American Institute of Biological Sciences Annual Meeting. Ames, IA. Contact: 202-628-1500; FAX: 202-628-1509.

August 2-5: Solid Waste Association of North America: International Solid Waste Exposition. San Jose, CA. Contact: 301-585-2898.

August 2-7: Fourth Gordon Research Conference on Quantitative Genetics and Biotechnology. Ventura, CA. Contact: Dr. F. Enfield, University of Minnesota, Dept. of Genetics and Cell Biology, St. Paul, MN 55108.

August 4-6: 1st International Symposium on Plant Dormancy. Corvallis, OR. Contact: Dr. G. Lang, 504-388-1043; FAX: 504-388-1068.

August 4-8: 21st National Institute and Conference. National Black Nurses' Association, Inc. Orlando, FL. Contact: 202-393-6870.

August 5-8: Heading Home: A National Conference on Community Land Trusts and Building a Progressive Housing Policy. Institute for Community Economics. Cincinnati, OH. Contact: 413-746-8660.

August 5-8: National Community Land Trust Conference. Cincinnati, OH. Contact: 413-746-8660.

August 6-9: Plant Growth Regulator Society of America 20th Annual Meeting. St. Louis, MO. Contact: Dr. L. Ferguson, 209-891-2500.

August 6-10: Science Innovation '93: New Techniques in Bimolecular Research. Boston, MA. Contact: 202-326-6450; FAX: 202-289-4021.

August 6-10: Science Innovation '93, The Conference on New Research Techniques. Boston, MA. Contact: 202-326-6462.

August 7-12: 5th World Congress on Genetics Applied to Livestock Production. Ontario, Canada. Contact: Dr. E. Burnside, Department of Animal & Poultry Science, University of Guelph, Guelph, Ontario, N1G 2W1, Canada.

August 8-13: 9th International Congress of Virology. Glasgow, UK. Contact: Stuart Glover, International Union of Microbiological Societies, Department of Genetics, Catherine Cookson Building, Framlington Place, Newcastle upon Tyne NE2 4HH, UK.

August 9-12: Fish Farming Technology. Trondheim, Norway. Contact: Foundation for Continuing Education, FAX: 4775177226.

August 10-12: Empire Farm Days. Seneca Falls, NY. Contact: Melanie Wickham, 716-526-5356.

August 13-15: National Organic Farmers Assn. 19th Annual Summer Conference. Amherst, Massachusetts; Hampshire College. Contact: Julie Rawson, 508-355-2853.

August 13-17: Aqua-Nor '93. Trondheim, Norway. Contact: Norwegian Fish Farmers Association, FAX: 477517017.

August 15-21: 17th International Congress of Genetics and the Understanding of Life. Birmingham, UK. Contact: Derek Smith, Research Support and Industrial Liaison, University of Birmingham, Edgbaston, Birmingham B15 2TT, UK. Telephone: 021-414-5888; FAX 021-414-3850.

August 17-19: The Future Forests—Options and Economics. Canadian Tree Improvement Association. Contact: 506-453-9101.

August 17-19: International Symposium on Socioeconomics of Aquaculture. Taiwan, Republic of China. Contact: Cheng-Sheng Lee, FAX: 808-259-5971.

August 17-20: Plant Biotechnology Methods Workshop. University Park, PA. Contact: Patricia Phillips, 1-800-833-5533; FAX: 814-863-1357.

August 23-27: Advanced Recombinant DNA Methodology Workshop. Rockville, MD. Contact: American Type Culture Collection, 301-881-2600; FAX: 301-231-5826.



CCC Photos Wanted



When this photo was taken by P.S. Carter on September 5, 1934, this log cabin was being built by the Civilian Conservation Corps on the U.S. Government Experimental Farm in Beltsville, Maryland (now Agricultural Research Center, USDA) as a recreation center. The log cabin still is in use today as the USDA Visitor Center. Neg. 292156.

The National Agricultural Library's Special Collections unit has a fine collection of Civilian Conservation Corps (CCC) photographs that are part of its Forest Service Historical Photo Collection. The Library is looking for additional photographs to augment pictorial knowledge of this unique era in the history of our country. If anyone has photographs related to the CCC or its activities that could be donated for permanent retention and use by the National Agricultural Library, the staff would be most pleased to hear from you. To donate materials, contact:
Dr. Alan Fusonie, Head
Special Collections, Rm. 1402
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705-2351
Or call (301) 504-5876;
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